

## ARG63043 anti-Intra Acrosomal Protein antibody [Hs-14]

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [Hs-14] recognizes Intra Acrosomal Protein
Tested Reactivity	Hu, Ms
Tested Application	FACS, ICC/IF, WB
Specificity	The clone Hs-14 reacts with a 220 kDa testis-specific human intra-acrosomal protein associated with the membranes of the acrosomal vesicle._x000D_
Host	Mouse
Clonality	Monoclonal
Clone	Hs-14
Isotype	IgM
Target Name	Intra Acrosomal Protein
Species	Human
Immunogen	Freshly ejaculated human sperms were washed in PBS and extracted in 3% acetic acid, 10% glycerol, 30 mM benzaminidine. The acid extract was dialyzed against 0.2% acetic acid and subsequently used for immunization.
Conjugation	Un-conjugated
Alternate Names	D11S4365; Acrosomal vesicle protein 1; SP-10; Acrosomal protein SP-10; SPACA2

### Application Instructions

Application table	Application	Dilution
	FACS	3 - 12 µg/ml
	ICC/IF	10 µg/ml
	WB	Assay-dependent
Application Note	ICC/IF: Staining technique: Membrane permeabilization (acetone) is essential. Application note: The clone Hs-14 is designed for quantitative immunofluorescence analysis of pathological sperms (excellent tool for laboratories of assisted reproduction when optimal method of fertilization is sought). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

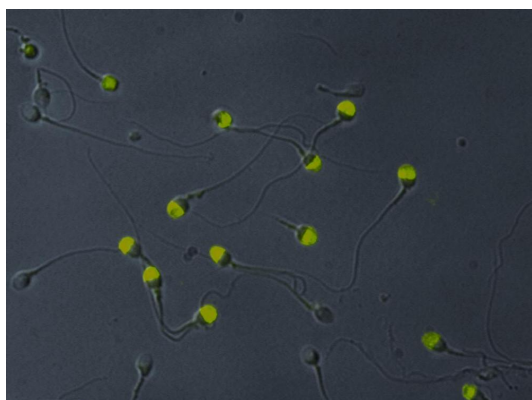
Form	Liquid
Purification	Purified from ascites by precipitation methods and size-exclusion chromatography.
Purity	> 95% (by SDS-PAGE)
Buffer	TBS (pH 8.0) and 15 mM Sodium azide

Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Database links	<a href="#">GeneID: 11451 Mouse</a> <a href="#">GeneID: 56 Human</a> <a href="#">Swiss-port # P26436 Human</a> <a href="#">Swiss-port # P50289 Mouse</a>
Gene Symbol	ACRV1
Gene Full Name	acrosomal vesicle protein 1
Background	One of the most frequent causes of man infertility is defective sperm acrosome. This damage can be detected using antibodies against intra-acrosomal proteins. Besides diagnostics of sperm pathology, monoclonal antibodies against intra-acrosomal proteins can be used for evaluation of the physiological state of sperm cells as well as for selection of a suitable method of fertilization in the laboratories of assisted reproduction.
Research Area	Cell Biology and Cellular Response antibody; Controls and Markers antibody; Developmental Biology antibody; Signaling Transduction antibody
Calculated Mw	28 kDa

## Images



ARG63043 anti-Intra Acrosomal Protein antibody [Hs-14] ICC/IF image

Immunofluorescence: Acetone-permeabilized human sperms sample stained with ARG63043 anti-Intra Acrosomal Protein antibody [Hs-14].